

WHAT IS CLAIMED IS:

1. A tool holder for a cutting insert for chip removing machining, comprising:

a base body on which is disposed an insert seat comprising an insert-support surface and two side surfaces upstanding from the insert-support surface;

the base body including a slot forming an extension of the seat and including a bottom surface disposed at a lower elevation than the insert-support surface.

2. The tool holder according to claim 1 further including a clamp for pressing an insert toward the insert-support surface.

3. The tool holder according to claim 1 further including a shim disposed upon a bottom surface of the base body, the shim defining the insert-support surface.

4. The tool holder according to claim 1 wherein the base body further includes a wing forming one side of the slot and one of the side surfaces of the insert seat.

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5. The tool holder according to claim 4 further including a screw passing through a hole in the wing and extending transversely to a longitudinal direction of the slot, the screw being threadedly received in a hole formed in a side of the slot disposed opposite to the wing, wherein a tightening of the screw produces a deformation of the wing to displace one of the side surfaces of the seat toward the other side surface of the seat.

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6. The tool holder according to claim 5 wherein the wing forms an abutment surface against which a head of the screw abuts, the screw extending non-perpendicularly to the abutment surface.

7. The tool holder according to claim 6 wherein an angle formed between an axis of the screw and the axis of the hole in the wing is less than 5 degrees.

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8. The tool holder according to claim 4 wherein a width of the slot is less than a width of the wing.

9. The tool holder according to claim 8 wherein the width of the slot is about one-half the width of the wing.

10. The tool holder according to claim 1 wherein the side surfaces of the insert seat diverge in a direction away from the slot.

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11. The tool holder according to claim 1 wherein the slot has a width smaller than a largest width of the seat.

12. A tool holder for a cutting insert for chip removing machining, comprising:

5 a base body on which is disposed an insert-receiving seat comprising an insert-support surface and two side surfaces upstanding from the insert-support surface;

the base body including a slot forming an extension of the seat and including a bottom surface disposed at a lower elevation than the insert-support surface;

10 the base body further including a wing disposed forming one side of the slot and one of the side surfaces of the insert seat, the side surfaces diverging in a direction away from the slot;

15 a screw passing through a hole in the wing and extending transversely to a longitudinal direction of the slot, the screw being threadedly received in a hole forming in a side of the slot disposed opposite to the wing, wherein a tightening of the screw produces a deformation of the wing to displace one of the side surfaces of the seat toward the other side surface of the seat; and

a clamp for clamping an insert toward the insert-support surface.